EROSION AND SEDIMENT CONTROL NARRATIVE

PROJECT DESCRIPTION

THIS PROJECT CONSISTS OF THE CONVERSION OF 2 EXISTING SEDIMENT CONTROL BASINS TO STORMWATER MANAGEMENT/BMP PONDS. APPROXIMATELY 1 ACRE OF LAND WILL BE DISTURBED WITH THIS PROJECT.

EXISTING SITE CONDITIONS

THE SITE IS PREDOMINATLY DEVELOPED. THE TOPOGRAPHY OF THE SITE IS SLOPING. THE SITE SLOPES PREDOMINANTLY TO THE EAST, EVENTUALLY DRAINING INTO A TRIBUTARY TO GOOSE CREEK.

THE SITE DOES CONTAIN CLASS III AND IV SOILS PER THE LATEST COUNTY SOILS MAP AND AS IDENTIFIED BY THE INTERPREATIVE GUIDE TO SOILS MAPS, LOUDOUN COUNTY, VIRGINIA. (FSM 6.200)

ADJACENT AREAS

ALL ADJOINING PROPERTIES ARE UNDEVELOPED.

DATES OF CONSTRUCTION

CONSTRUCTION IS SCHEDULED TO BEGIN 6/04 WITH THE SITE BEING COMPLETELY STABILIZED BY 10/04 SITE BEING COMPLETELY STABILIZED BY

EROSION CONTROL PROGRAM

- 1. NO DISTURBED AREA IS TO REMAIN DENUDED FOR MORE THAN SEVEN (7) DAYS UNLESS AUTHORIZED BY THE DIRECTOR OR HIS AGENT (SPECIFIC AREAS TO BE DETERMINED AT THE PRE-CONSTRUCTION MEETING).
- 2. NO MORE THAN FIFTY (50) PERCENT OF THE SITE SHALL BE DENUDED AT ONE TIME.
- ELECTRIC, POWER, TELEPHONE, STORM, SANITARY AND GAS SUPPLY TRENCHES ARE TO BE COMPACTED, SEEDING AND MULCHED WITHIN FIVE (5) DAYS AFTER BACKFILLING. NO MORE THAN 500 FEET OF TRENCH IS TO BE OPEN AT ANY ONE TIME.
- 4. STOCKPILED TOPSOIL IS TO BE SURROUNDED BY SILT FENCE, AND SHALL BE PROTECTED BY MULCH AND/OR TEMPORARY VEGETATION IMMEDIATELY AFTER GRADING.
- 5. ALL TEMPORARY DIVERSIONS ARE TO BE MACHINE COMPACTED, SEEDED AND MULCHED FOR TEMPORARY VEGETATION IMMEDIATELY AFTER GRADING. STRAW OR HAY MULCH IS
- 6. ALL FILLS AND AREAS THAT LAY DORMANT ARE TO BE LEFT WITH A LIP AT THE TOP OF THE SLOPE AT THE END OF EACH DAY'S OPERATION.
- 7. ALL CUT AND FILL SLOPES ARE TO BE SEEDED AND MULCHED WITHIN SEVEN (7) DAYS OF THE COMPLETION OF GRADING.
- 8. ANY DISTURBED AREA NOT SODDED OR BUILT UPON BY NOVEMBER 1, OR DISTURBED AFTER NOVEMBER 1, IS TO BE SEEDED WITHIN 15 DAYS WITH OATS, ABRUZZI RYE OR EQUILALENT, AND MULCHED WITH STRAW OR HAY MULCH AT THE RATE OF 2 TONS PER ACRE.

SEDIMENT CONTROL PROGRAM

THE EROSION AND SILTATION CONTROL PROGRAM CAN BE ACCOMPLISHED USING A SINGLE PHASE PROGRAM BECAUSE OF THE MINIMAL LAND DISTURBANCE WITH THIS PLAN. APPROXIMATELY 1.0 ACRE OF THE SITE IS DISTURBED. PRIMARY EROSION CONTROL MEASURES FOR THIS SITE IS SILT FENCE. CONTROL MEASURES SHALL BE INSTALLED AS SHOWN ON THE GRADING PLAN.

TREE PROTECTION DETAIL -

SILT FENCE &

PROTECTIVE DEVICE PER STATE E&S-HANDBOOK FENCE OR

WALL. NOT REMOVABLE.

LIMITS OF GRADING -

VEGETATIVE MEASURES WILL INCLUDE

- TEMPORAY SEEDING (3.31)- NO AREA SHALL REMAIN DENUDED FOR MORE THAN 7 DAYS. TEMPORARY SEEDING MAY BE USED DURING SEASONS WHEN PERMANENT SEEDING IS PROHIBITED.
- PERMANENT SEEDING (3.32) ALL AREAS DENUDED BY THIS CONSTRUCTION SHALL BE STABILIZED WITH APPROPRIATE TURF GRASSES, GROUND COVER, AND/OR OTHER ACCEPTABLE MEASURES.

ANTICAPTED SEQUENCE OF CONSTRUCTION

- INSTALL A TEMPORARY CONSTRUCTION ENTRANCE WITH A WASH RACK. MUD AND DEBRIS SHALL BE WASHED FROM ALL CONSTRUCTION VEHICLES AND EQUIPMENT PRIOR TO LEAVING THE SITE. WATER TANK TRUCKS WILL BE USED IF PUBLIC METERED WATER IS NOT AVAILABLE.
- 2. FLAG LIMITS OF CLEARING AND GRADING.
- INSTALL SILT FENCE AS SHOWN ON THE PLANS.
- INSTALL TREE PROTECTION AND CHECK DAMS.
- DRAIN POND B
- CLEAR AND GRUB THE SITE.
- STOCKPILE AND STABILIZE TOPSOIL.
- EXCAVATE FOREBAY FOR POND A.
- INSTALL NEW OUTFALL STRUCTURES FOR BOTH PONDS.
- REMOVE ENDS OF EXISTING OUTFALL PIPES AND RISERS. FILL REMAINING PIPE WITH CONCRETE.
- 11. CONSTRUCT EMERGENCY SPILLWAY, FINAL GRADE EMBANKMENTS AND REMAINDER OF SITE.
- 12. STABILIZE ALL UNPAVED AREAS.
- 13. REMOVE CONTROLS AFTER AREAS ARE STABILIZED AND WITH THE APPROVAL OF THE SITE INSPECTOR.

MAINTENANCE PROGRAM

- 1. ALL CONTROL MEASURES ARE TO BE INSPECTED ON A DAILY BASIS STRUCTURAL MEASURES ARE TO BE REPAIRED BY THE END OF THE BY THE SUPERINTENDENT OR HIS REPRESENTATIVE. ANY DAMAGED WORKING DAY.
- 2. CONTROLS MAY BE REMOVED AFTER THE AREAS ABOVE THEM HAVE BEEN STABILIZED AND WITH THE APPROVAL OF THE SITE
- 3. CHECK DAMS ARE TO REMAIN IN PLACE AT THE COMPLETION OF THE PROJECT.

GENERAL EROSION CONTROL NOTES

- 1. DEVICES SHOWN ARE TO BE CONSIDERED MINIMUM EROSION AND SEDIMENTATION CONTROLS. ADDITIONAL CONTROLS MAY BE NECESSARY DUE TO CONTRACTOR'S PHASING OR OTHER UNANTICIPATED CONDITIONS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE ADDITIONAL DEVICES AS NECESSARY IN ORDER TO CONTROL EROSION AND SEDIMENTATION.
- EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS IN THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK, THIRD EDITION.
- THE CONTRACTOR IS TO PROVIDE ADEQUATE MEANS OF CLEANING AND REMOVING ALL LAYING DUST AS NECESSARY BY APPLYING EITHER MOISTURE, CALCIUM CHLORIDE, OR OTHER APPROVED MATERIALS ALONG THOSE SECTIONS OF THE PROJECT ADJACENT TO EXISTING DWELLINGS OR PUBLIC ACCESS.
- TREES TO BE SAVED ARE TO BE PROTECTED FROM EQUIPMENT DAMAGE. TREE PROTECTION SHALL BE INSTALLED USING THE METHODS OUTLINED BY THE VIRGINIA STATE EROSION AND SEDIMENT CONTROL HANDBOOK AND SECTION 7.300 OF THE LOUDOUN COUNTY FACILITIES STANDARDS MANUAL. IN MOST CASES SILT FENCE WILL PROVIDE APPROPRIATE TREE
- UPON COMPLETION OF GRADING, ALL UNPAVED AREAS ARE TO BE PERMANENTLY SEEDED AND MULCHED ACCORDING TO STANDARD SPECIFICATION 3.32 AND 3.35 OF VIRGINIA STATE EROSION AND SEDIMENT CONTROL HANDBOOK. SEE TABLE 3.32 - D FOR SITE AND SPECIFIC SEEDING MIXTURES FOR THE PIEDMONT AREA.

STONE CONSTRUCTION ENTRANCE

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SIDE ELEVATION

WASHRACK (OPTIONAL)

POSITIVE DRAINAGE TO SEDIMENT

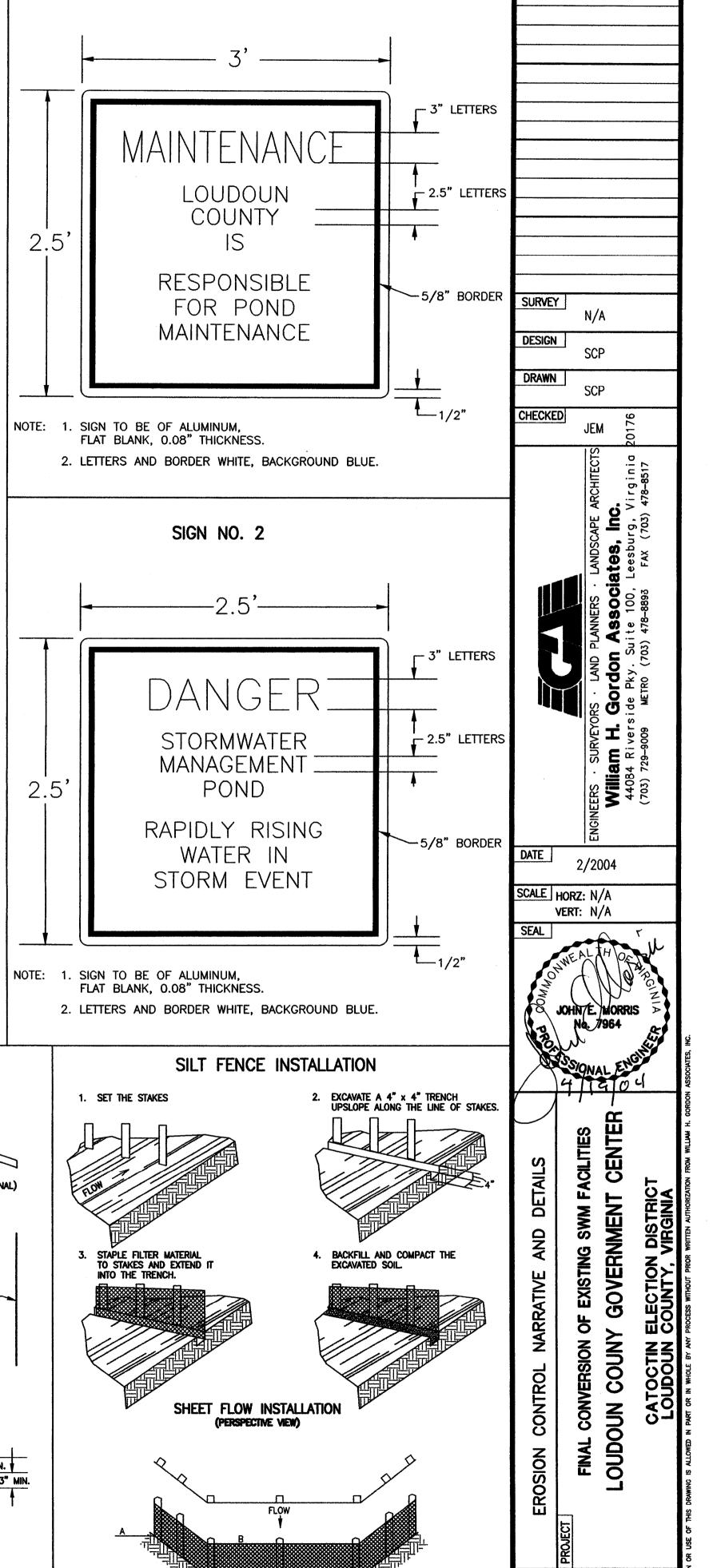
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SECTION B-B

FILTER CLOTH -

EXISTING PAVEMENT

(CE)



POINT A SHOULD BE HIGHER THAN POINT B.

DRAINAGEWAY INSTALLATION (FRONT ELEVATION)

JOB

SHEET

2000-0501

6 OF 10

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SIGN NO. 1

REVISIONS

